	PION/MODIFICAT			1. CONTR	ACT ID CODE		PAGE O	F PAGES
AMENDMENT OF SOLICITAT	ION/MODIFICAT	ION OF CONTRACT			J		1	9
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE	ERE	Q. NO.	5. PROJEC	T NC	O.(If appl	icable)
0001	22-Dec-2000	W26GLG-0278-7403						
	DE DACW65	7. ADMINISTERED BY (If o	othe	than item 6	5) COD	Е		
CONTRACTING DIVISION US ARMY ENGR DIST NORFOLK ATTN: CENAG	O-CT 803 FRONT STREET	See Item 6						
NORFOLK, VA 23510-1096								
8. NAME AND ADDRESS OF CONTRACTOR (N	No., Street, County, State an	d Zip Code)	Х	9A. AMEN DACW65-0	DMENT OF 01-B-0001	SOL	ICITATI	ON NO.
			Х	05-Dec-20				
					OF CONTR			NO.
CODE	FACILITY CODE			10B. DATE	ED (SEE ITI	EM 1.	3)	
11. TH	IS ITEM ONLY APPLIES	TO AMENDMENTS OF SOLIC	CIT.	ATIONS				
X The above numbered solicitation is amended as set forth in	Item 14. The hour and date speci	fied for receipt of Offer		is extended,	X is not 6	extend	ed.	
Offers must acknowledge receipt of this amendment prio  (a) By completing Items 8 and 15, and returning 1  or (c) By separate letter or telegram which includes a refe RECEIVED AT THE PLACE DESIGNATED FOR THE REJECTION OF YOUR OFFER. If by virtue of this amer provided each telegram or letter makes reference to the so	copies of the document; (b) By a rence to the solicitation and amer RECEIPT OF OFFERS PRIOR 7 Idment you desire to change an of olicitation and this amendment, as	cknowledging receipt of this amendmen adment numbers. FAILURE OF YOUR TO THE HOUR AND DATE SPECIFIE fer already submitted, such change may	ACI D M be m	each copy of th KNOWLEDGN AY RESULT I ade by telegran	e offer submitte MENT TO BE N THE	ed;		
		IFICATIONS OF CONTRACTS ER NO. AS DESCRIBED IN ITI						
A.THIS CHANGE ORDER IS ISSUED PURSUA CONTRACT ORDER NO. IN ITEM 10A.					RE MADE I	N TH	E	
B.THE ABOVE NUMBERED CONTRACT/ORI office, appropriation date, etc.) SET FORTH					uch as chang	es in	paying	
C.THIS SUPPLEMENTAL AGREEMENT IS E	NTERED INTO PURSUAI	NT TO AUTHORITY OF:						
D.OTHER (Specify type of modification and au	thority)							
E. IMPORTANT: Contractor is not,	is required to sign this d	ocument and return	cop	oies to the iss	suing office.			
14. DESCRIPTION OF AMENDMENT/MODIFIC. where feasible.) Technical Changes  POC	ATION (Organized by UC	F section headings, including sol	icita	tion/contrac	t subject mat	ter		
Susan Hurst 757-441-7747 fax 757-441-7183 susan.i.hurst@usace.army.mil	and the second in Item 0.4 and 0.0			and in full fam				
Except as provided herein, all terms and conditions of the docu 15A. NAME AND TITLE OF SIGNER (Type or p	rint) 16	X, as heretofore changed, remains uncha 5A. NAME AND TITLE OF CO JSAN I HURST / ADDED BY SUI	NTI			ype o	r print)	
15B. CONTRACTOR/OFFEROR		B. UNITED STATES OF AME		A		16C.	DATE S	IGNED
	<u>B</u>	Y				21-	Dec-200	00
(Signature of person authorized to sign)		(Signature of Contracting Of	fice	r)		<u>-</u> 1-	200 200	

# SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

- 1. Replace Sec 01055 of the specifications with the attached revised Sec 01055.
- 2. Section 02500, Paragraph 2.1. In the note for the Tensile Strength test, delete the words "Pounds per inch of core width" and replace with 'In terms of full core width".
- 3. Section 02500, Paragraph 2.1. Change the value for water Permeability of the Geotextile from 0.03 cm/sec to 0.01 cm/sec.
- 4. Add the following note to Section 02500, Paragraph 2.1 in regards to the Discharge Capacity Test (ASTM D4716).
  - "ASTM D 4716 shall be run at an Applied Normal Compressive Stress of 60 psi, and a Gradient of 0.10. The test shall be run in a bladder, or other ASTM approved suitable method to eliminate leakage paths as stated in ASTM D 4716 Paragraph 9.2.1."

## The following are questions asked for clarification.

5. Question: The Southwest Area (Bid Item 0002) extends into the water. This is also stated in note 11. What are the elevations/soundings in this area. This information is needed to determine the means necessary to install the drains in this area.

Answer: Elevation information is shown on the cross-sections, Sheets C-3 to C-7.

6. Question: The specifications call for the wick to be cut a maximum of 12" above the ground surface. Does this also apply in the Southwest Area or can the wick be cut at/above the water elevation?

Answer: When in the water cut the wick drains at or below CEMLW.

7. Question: Can any fill be temporarily placed if it is later removed in, say 30 days?

Answer: As stated in Note 11, Sheet C-2, no fill can be placed without proper permits, which would be the responsibility of the contractor to obtain.

8. Question: Can material be excavated from this area to make it deeper in order to allow floating equipment. If so, would it have to be restored or could it remain in a deepened condition?

Answer: No dredging is allowed without proper permits, which would be the responsibility of the contractor to obtain.

9. Question: What length of sample to be used in this test [in regards to test ASTM D 4716]?

Answer: As stated in ASTM D 4716, paragraph 7.5.1, Note 1, the specimen length is 14 inches.

10. Question: What is the length of the timed duration to be used in this test [in regards to test ASTM D 4716]?

Answer: As stated in ASTM D 4716, paragraph 9.5.1 The minimum seating period is 15 minutes, but can vary dependent on the compressive response of the material.

11. Question: In ASTM D638 what is the reference revision date of the test method desired to be used?

Answer: As shown in Section 02500, Paragraph 1.2, the revision date is 1999.

12. Question: Are the "VALUES" listed to be (1) the 'Typical Proposed' values, (2) the 'Minimum Proposed' values, or (3) either one of the values is acceptable?

Answer: The values shown must either fall within the given range, or exceed the value given, as indicated by the ">" and "=" symbols shown in paragraph 2.1 of Section 02500.

- 13. Wage Decision VA000009 is hereby incorporated into the subject contract. It is the secondary determination and is to be used for classifications not covered on the primary determinations.
- 14. Section 01440 pages 9-17 are intentionally blank and reserved for the following checklists that will be included in the section. They will be provided to the contractor following award of the resulting contract.

Section 01440 includes the following attachments.

(1) Preparatory Phase Checklist, (2) Initial Phase Checklist, (3) Daily Construction Quality Control Report, (4) Test Report, and (5) Deficiency Tracking Log.

#### Attachment 2

## **General Decision Number VA000009**

General Decision Number VA000009 Superseded General Decision No. VA990009

State: Virginia

Construction Type:

HIGHWAY

County(ies):

CHESAPEAKE\* NORFOLK\*
ISLE OF WIGHT PORTSMOUTH\* SUFFOLK\*

VIRGINIA BEACH\*

#### \*INDEPENDENT CITIES

HIGHWAY CONSTRUCTION PROJECTS (Excluding tunnels, building structures in rest area projects and railroad construction; bascule, suspension and spandrel arch bridges; bridges designed for commercial navigation; bridges involving marine construction and other major bridges)

Modification Number	Publication Date
0	02/11/2000
1	03/03/2000
2	06/02/2000

COUNTY(ies):

NORFOLK\*
PORTSMOUTH\* CHESAPEAKE\* SUFFOLK\*

ISLE OF WIGHT VIRGINIA BEACH\*

ELEC0080A 03/01/2000

Rates Fringes ELECTRICIANS (Including Traffic Signal Installers/Maintainers) 18.60 2.30+11.25% +a

a. Workmen shall be allowed 2 hours with pay at the start or at the end of the work day on State and National Election Days; Tuesday following the first Monday in November, provided they are qualified and vote.

* ENGI0147Q	05/01/2000
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	Rates	Fringes
POWER EQUIPMENT OPERATORS:		
Crane, Derrick, Dragline		
Operators (Over 1 yd.)	19.78	5.18
Crane, Derrick, Dragline		
Operators (1 yd. & under)	18.78	5.18

Pile Driver Leadsman	18.78	5.18

SUVA3051A 02/09/1999		
	Rates	Fringes
ASBESTOS WORKERS	7.97	_
BLASTERS	9.00	
CARPENTERS, STRUCTURE	12.66	
CONCRETE FINISHERS	10.53	
	13.49	
DECKHANDS		
FENCE ERECTORS	9.50	
FLAGGERS	7.22	
FORM SETTERS	9.75	
GUARDRAIL ERECTORS	14.13	
LABORERS:		
Construction Workers II		
(Laborers)	7.68	
Construction Workers I	, , , ,	
(Skilled Laborers)	8.80	
Landscape Workers	7.92	
Asphalt Rakers	8.27	
Pipelayers	8.05	
Power Tool Operators	9.26	
MASONS, STRUCTURE	9.00	
PAINTERS	13.90	
PAINTERS, BRIDGE	13.08	
POWER EQUIPMENT OPERATORS:		
Air Compressor Operators	20.00	
Asphalt Distributor Opera		
Aspirate Distributor Opera	3.14	
Asphalt Paver Operators	9.74	
Backhoe Operators	11.74	
Bulldozer Operators	10.33	
Bulldozer Operators, Util	lity 10.06	
Concrete Finish Machine/S	Screed	
Operators (Bridge)	14.00	
Concrete Finish Machine (	operators.	
Utility	11.32	
Concrete Paving Machine (		
Concrete Pump Operators	16.01	
Concrete Saw Operators	16.01	
Crusher Tender Operators	10.35	
Drill Operators	10.00	
Excavator Operators (Grad	dall	
Operators)	11.86	
Front-End Loader Operator	s 9.35	
Fuel and Lubricant Service		
Truck Drivers	7.23	
Grade Checkers	7.22	
Hydro-Seeder Operators	10.75	
Log Skidder Operators	15.00	
Mechanics	11.89	
Mobile Mixer Operators	10.71	
Motor Grader Operators		
(Fine Grade)	11.61	
Motor Grader Operators		
<del>-</del>		

(Rough Grade)	11.87	
Oiler Greasers	10.50	
Pavement Marking Truck Operators	8.75	
Pavement Marker Operators	10.20	
Pavement Planing Operators	10.25	
Pavement Planing Groundman	11.00	
Pile Driver Operators	14.50	
Pipe Boring/Jacking Machine		
Operators	8.38	
Plant Operators	10.00	
Roller Operators (Rough)	8.66	
Roller Operators (Finish)	9.68	
Scraper Pan Operators	9.50	
Shot Blast Machine Operators	7.75	
Shovel Operators	10.45	
Slip-Form Paver Operators	10.82	
Slurry Seal Paver Machine		
Operators	9.38	
Slurry Seal paver Truck Drivers	9.00	
Stabilizer Operators	7.94	
Stone Spreader Operators	10.90	
Subgrade Machine Operators	8.75	
Tractor Operators (Crawlers)	8.02	
Tractor Operators (Utility)	9.16	
Transit Mix Truck Drivers	9.75	
Trenching Machine Operators	10.66	
REINFORCING METAL WORKERS	21.20	
SHEET METAL WORKERS	8.90	
SIGN ERECTORS	17.25	
STRUCTURAL WORKERS	16.70	
TRUCK DRIVERS:		
Heavy Duty (Over 7 c.y.)	11.03	
Heavy Duty (Under 7 c.y.)	10.93	
Multi, Tandem and Single Rear		
Axle	8.14	
WELDERS	12.99	

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29 CFR 5.5(a)(1)(v)).

\_\_\_\_\_

In the listing above, the "SU" designation means that rates listed under that identifier do not reflect collectively bargained wage and fringe benefit rates. Other designations indicate unions whose rates have been determined to be prevailing.

## WAGE DETERMINATION APPEALS PROCESS

- 1.) Has there been an initial decision in the matter? This can be:
- \* an existing published wage determination

- \* a survey underlying a wage determination
- \* a Wage and Hour Division letter setting forth a position on a wage determination matter
- \* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations Wage and Hour Division
U. S. Department of Labor
200 Constitution Avenue, N. W.
Washington, D. C. 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request

review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator U.S. Department of Labor 200 Constitution Avenue, N. W. Washington, D. C. 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board U. S. Department of Labor 200 Constitution Avenue, N. W. Washington, D. C. 20210

4.) All decisions by the Administrative Review Board are final. END OF GENERAL DECISION

DACW65-01-B-0001 0001 Page 9 of 9 SECTION 01055

SOIL BORING DATA

#### PART 1 GENERAL

#### 1.1 GENERAL

The following pages are copies of Standard Penetration testing boring logs and Cone Penetrometer Testing (CPT) data representing the subsurface investigations in the project vicinity at Craney Island. The logs and CPT reports contained herein represent the basic subsurface conditions, but do not include all available data. Additional boring data is available for review at the Norfolk District GeoEnvironmental Branch Office (POC: Ira Brotman, PE / 757-441-7075).

#### 1.2 BORING LOCATIONS

Soil boring and CPT locations are shown on the drawings. All boring and CPT locations and elevations are approximate.

#### 1.3 CHARACTER OF MATERIALS

This data is included for information only. Each log is believed to show the nature of the materials encountered at that specific location and to the depth indicated on the log. Dredge material in Craney Island is composed of heterogeneous mixtures of sands, silts, and clays. Inflow of dredge material is typically from the eastern side of Craney Island, with outflow through the spill boxes located along the western side. Because of variable deposition rates, based on grain sizes, the heavier materials (sands) typically settle out first followed by the smaller materials (silts and clays). Therefore, the sandier material is typically found towards the eastern portions of Craney Island and the finer materials towards the western portions. The undrained shear strengths (cohesion) of the finer grained dredged materials (silts and clays) typically range from 100 to 400 pounds per square foot (psf). A desiccated surface crust of dredge material, of variable thickness (=15 cm to 30 cm), typically overlies the surface of the softer dredge material. Reports on previous strip drain installations elsewhere at Craney Island and dredged material shear strength data are also available for review at the Norfolk District GeoEnvironmental Branch Office (POC: Ira Brotman, PE / 757-441-7075).

## 1.4 BORING NOTES

## 1.4.1 Borings Labeled DH

Borings labeled as DH were performed in accordance with ASTM D 1586, Penetration Test and Split-Barrel Sampling of Soils.

## 1.4.1.1 Standard Penetration Test (SPT)

The Standard Penetration Test (SPT) indicates depth of a sample and number of blows required to drive a 2 inch (50 mm) O.D. split spoon sampler 6 inches (150 mm), unless otherwise noted, into undisturbed soil with a 140 pound (0.625 kN) hammer falling 30 inches (0.75 meters). The standard penetration "N" value is the sum of the last two 6-inch drives; i.e., 6, 4, 5; N=9 or middle two 6-inch drives; i.e., 6, 4, 5, 3; N=9.

#### 1.4.1.2 Soils

Soils (ML, CL, GP, etc.) are classified in accordance with ASTM D 2487, Classification of Soils for Engineering Purposes. Soils are described in accordance with Burmister's Method of Material Proportions as presented below.

Descriptive or Qualifying Terms	Range of Proportions
"Sandy", "Gravelly", etc.	35% to 50%
or the term "and"	
"some"	20% to 35%
"little"	10% to 20%
"trace"	1% to 10%

#### 1.4.1.3 Densities and Consistencies

Soil densities and consistencies are estimated and are based on the following tables:

Relative Density of Gravels/Sands According to Results of SPT  $$\tt No.$  of Blows N  ${\tt Relative\ Density}$ 

0 – 4	Very Loose
4-10	Loose
10-30	Medium
30-50	Dense
Over 50	Very Dense

Consistency

Consistency of Clays/Silts, According to Results of SPT

No. of Blows N

0-2	Very Soft
2-4	Soft
4-8	Medium
8-15	Stiff
15-30	Very Stiff
Over 30	Hard

#### 1.4.2 Borings Labeled CPT

Borings labeled CPT were performed in accordance with  ${\tt ASTM}$  D 3441, Deep, Quasi-Static, Cone and Friction-Cone Penetration Tests of Soil.

# 1.4.2.1 Penetration

Penetration was advanced using a standard electronic cone with a 60 degree apex angle and a diameter of 33.7 mm (10 cm2 cross-sectional area).

#### 1.4.2.2 Classification

Soils are classified in accordance with "Guidelines for Geotechnical Design using the Cone Penetration Test and CPT with Pore Pressure Measurement" by Robertson and Campanella, Hogentogler & Company, Inc., 4th Ed., Nov 1989.

#### 1.4.3 Elevations

All elevation and locations are approximate.

## 1.4.4 Dates

Dates shown on logs are completion dates.

#### 1.4.5 Abbreviations

Abbreviation	Meaning	Abbreviation	Meaning
вон	Bottom of Hole	NP	Nonplastic
brn	Brown	PHI	Friction Angle
cly	Clayey	PI	Plastic Index
CPT	Cone Penetration Testing	Piez	Piezometer
CPTU	CPT w/Pore Pressure	PL	Plastic Limit
	Measurements	plast	Plasticity,
crs, c	Coarse		Plastic
dia	Diameter	sat	Saturated
dk	Dark	som	Some
fn, f	Fine	SPT	Standard
gry	Gray		Penetration
gvy	Gravelly		Testing
HP	High Plasticity	tr	Trace
lt	Light	V	Very
med, m	Medium	v.f.	Very Fine
MP	Medium Plasticity	vert	Vertical
		WOR	Weight of Rod
		&	and

# PART 2 PRODUCTS (NOT USED)

# PART 3 EXECUTION (NOT USED)

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HOLE NO. 71CI-.

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SOIL PROFILE	DESCRIPTION	ICHI CLAY, TRACE FINE SAND, WET, DARK GRAY.	SOTTOM OF HOLE AT TOS.O FT.	WATER ON COMPLETION-CAVE IN AT 1.5 FT.												
SOIL	DEPTH FT.	1111	11	uluuli		<del>11111</del>		1		ninni	mp			mfm		1
-		7 1050		0=	120.	-	130	140	150.	160		170.	180,		190	200
	ELEV FT.	-962												¥.		J. S.

HOLE NO: 61DH-1 SHEET 2 OF 2

CRANEY ISLAND DISPOSAL AREA	VIRGINIA F-2	0	FT. CDNL.w FT.	AZ FT, CUNUM.		INEERING	Massurales, Richtong, VA	REMARKS: DRILLED FOR THE WEST LEVEE ALIGNMENT STUDY									
CRANEY ISLAN	HOLE NO. 81DH-2	3HEET 1 0F2 COORDINATES N 216 320 E 2 617 670 DATE: DEC 23, 1981	ELEVATIONS 6.8 FT, CENLW DEPTH: 105.0 FT, GROUNDWATER	ELEVATION -0.2 FT, CEPLW.		AGENCY: SCHWABEL ENSINEERING ASSENTATED DICHARDON	ASSOCIATES.	REMARKS: DRILLED FOR THE V ALIGNMENT STUDY									
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SAME	2		92	52	10 10	83	210	± 5 € 5	SIS	5.4	10	516	S u2 5	0.	520	S21 S2	
	DESCRIPTION	SILT WITH SHELL FRANCHENTS, SOLT WITH SHELL FRANCHENTS, NOIST, I'AN WET. FINE SAND, WET, GRAY,	COU CLAY FILL, TRACE FINE SAND WITH SHELL FRAGMENTS, MOIST, /	(SPATEMETO MEDIUM SAND FILL TRACE SILT WITH SHELL FRARMENT POIST DARK GRAV		AND BIGAT.		(SCJFINE TO COADSE SAND FILL SOME SILTY CLAY WITH SHELL FRAD MUNTS, POLST, GRAY, INTERBEDOED CLAY AND FINE GRAVEL WITH DEPTH		_	(SP) FINE TO COARSE SAND FILL, TRACE SILT, WET.	Brown and Can	FINE SAND WITH	DADE GOAY		NO FIRE SAND OR SPELL FRAGRENTS	
_	F.	0.52	15.0	20	dim	92	180	4 111111111	88	570 -	3	07.0	ă uluuli	8	mlu	111111	luu
ОЕРТН	"																

SHEET 1 OF 2

HOLE ND: 81DH-2 SHEET 2 OF 2

HOLE NO. 81DH-3 SHEET 1 OF 1

HOLE NO. 810H-4 SHEET LOF!

Vicksburg Project: CHANEY ISLAND 3-12-92 Date: Hole No.: 92CP-11 (1/3) Cone No.: 407 Elevation: 20.0 TIP RESISTANCE LOCAL FRICTION FRICTION RATIO Qc (Ton/ft^2) Fs (Ton/ft^2) Fs/3 (%) 300 30-30-30-45-45-

Depth Increment: .05 m

Max Depth : 149.93 ft

Vicksburg USAED 3-12-92 Project: CRANEY ISLAND Hole No.: 92CP-11 (2/3) Elevation: 20.0 Cone No.: 407 FRICTION FATIO LOCAL FRICTION TIP RESISTANCE Fs/0 (%) Gc (Ton/ft^2) Fs [Ton/ft\*2] 60† 60+ 300 75-75-75 DEPTH (feet) 90-90-90-105-105-105-120-120-

Depth Increment: .05 m

Max Depth : 149.93 ft

Vicksburg

Project:

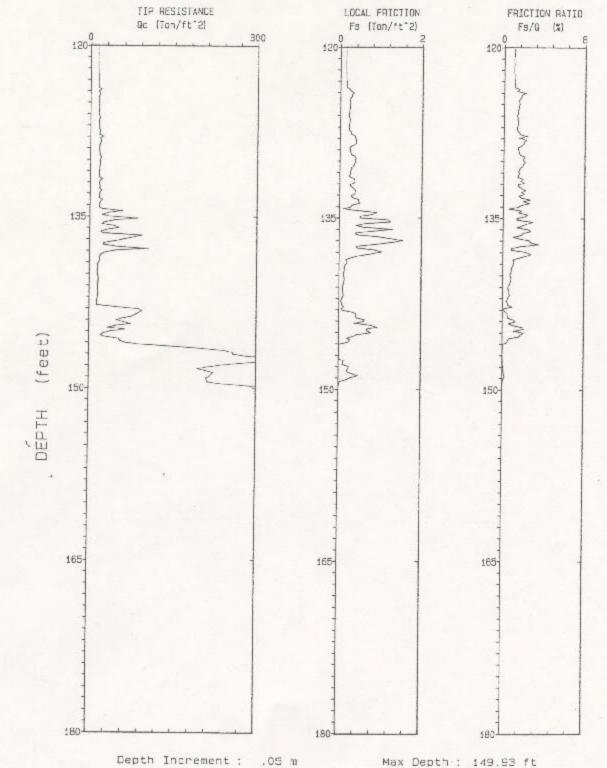
CHANEY ISLAND

Date: 3-12-92

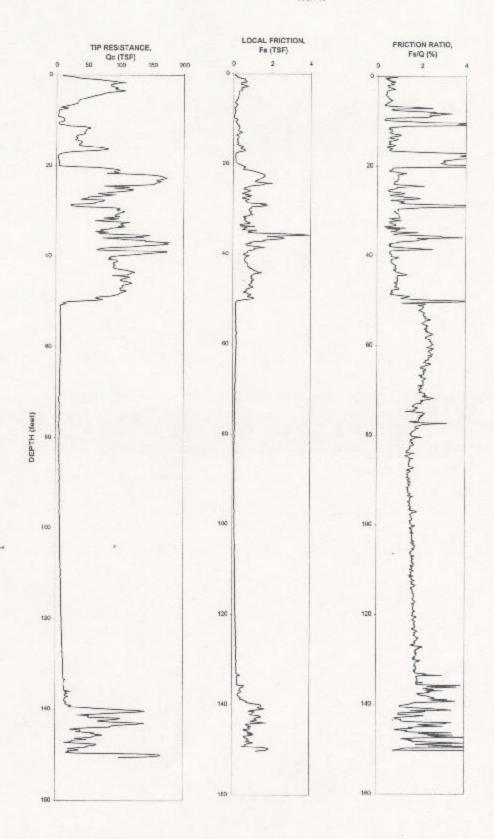
Cone No.: 407

Hole No.: 92CP-11 (3/3)

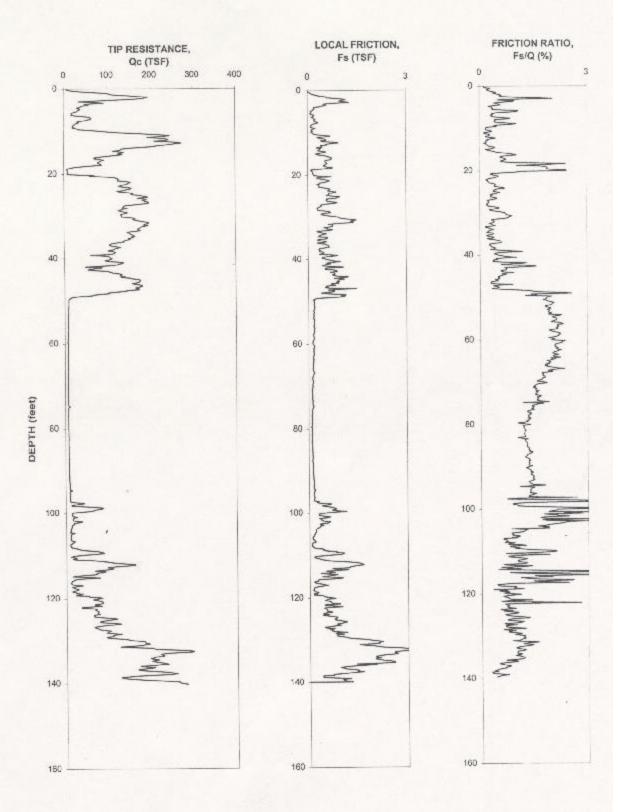
Elevation: 20.0



Max Depth : 149.93 ft



93CP-11



GROWTON CLOSE DICE 16

# /icksburg CRANEY ISLAND Date: 08-24-94 Project: Hole No .: 94CP-10 (1/2) ELEV. 22.0 Cone No.: 342 STATION: FRICTION RATIO TIP RESISTANCE LOCAL FRICTION Fs/G (%) Fs (Ton/ft^2) Oc (Ton/ft^2) 20-60-60-60-80-

Depth Increment: .05 m

Max Depth : 151.57 ft

